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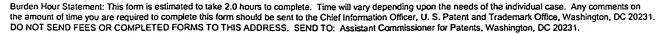
Substitu	ute for form 1449A/PTO			Compl t if Known			
				Application Number	Not yet assigned		
INF	ORMATION [DIS	CLOSURE	Filing Date	December 10,2003		
STA	ATEMENT BY	/ A	PPLICANT	First Named Inventor	На		
				Group Art Unit	Not yet assigned		
	(use as many sheet	is as	necessary)	Examiner Name	Not yet assigned		
Sheet	1	of	2	Attorney Docket Number	NC 84,693		

				U.S. PATENT DOCU	MENTS	
Examiner Initials	Cite No.1	U.S. Patent Number	Document Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		5,447,824		Mutsaers et al	09/05/95	
		5,620,800		DeLeeuw	04/05/97	
		5,766,515		Jonas et al	06/16/98	
		5,035,926		Jonas et al	07/30/91	
		5,792,558		Jonas et al	08/11/98	
		6,239,827		Kim et al	05/22/01	
		6,248,818		Kim et al	06/19/01	
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			_	FOREI	GN PATENT DOCUMENT	S		
		F	Foreign Patent Do	cument	Name of Patentee or	Date of Publication of	Pages, Columns, Lines, Where Relevant	Т
	Cite No.1	Office ³	Number ⁴	Kind Code ⁵ (if known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	T
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



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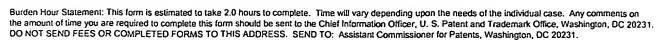
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Substitu	ite for form 1449B/PTO			Complet if Known			
				Application Number	Not yet assigned		
INF	INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Filing Date	December 10,2003		
STA				First Named Inventor	Ha		
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Sheet	2	of 2		Attorney Docket Number	NC 84,631		

	,	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²	
		DE LEEUW et al, "Electroplating of conductive polmers for the metallization of insulators", Elsevier Science, 1994, Vol. 66, pp. 263-273		
		IM et al, "Preparation and Properties of Transparent and Conducting Nylon 6-based Composite Films", Journal of Applied Polymer Science, 1994, Vol. 51, pp. 1221-1229		
		KANG et al, "Preparation and morphology of electrically conductive and transparent poly(vinylchloride-)polypyrrole composite films", Polymer Bulletin, 1993, Vol. 31, pp. 593-599		
PEI et al, "Electrochromic and highly stable poly(3,4-ethylenedioxythiophene) switches between oblue-black and transparent sky blue", Polymer Papers, 1994, Vol. 35, No. 7, pp. 1347-1351				
		CAO et al, "Optical -Quality Transparent Conductive Polyanilene Films", Elsevier Sequoia, 1993, Vol. 55-57, pp. 3526-3531		
		KUMAR, et al, "Conducting Poly(3,4-alkylenedioxythiophene) Derivatives as Fast Electrochromics with High-Contrast Ratios", American Chemical Society, 1998, Vol 10, pp. 896-902		
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ı	Signature	Considered	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Filing Date	December 10,2003		
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				FORE	IGN PATENT DOCUMENT	S		
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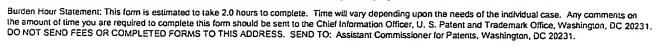
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IN IPP	ODMATION		Application Number	Not yet assigned	
INF	ORMATION I	DISCLOSURE	Filing Date	December 10,2003	
STATEMENT BY APPLICANT			First Named Inventor	Ha	
			Group Art Unit	Not yet assigned	
(use as many sheets as necessary)			Examiner Name	Not yet assigned	
Sheet	2 0	of 2	Attorney Docket Number	NC 84,631	

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